

**PCT**

**NOTIFICATION OF ELECTION**

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Commissioner  
US Department of Commerce  
United States Patent and Trademark  
Office, PCT  
2011 South Clark Place Room  
CP2/5C24  
Arlington, VA 22202  
ETATS-UNIS D'AMERIQUE

in its capacity as elected Office

Date of mailing:

11 January 2001 (11.01.01)

International application No.:

PCT/EP99/04495

Applicant's or agent's file reference:

WO 24246

International filing date:

29 June 1999 (29.06.99)

Priority date:

Applicant:

RAITOLA, Mika

1. The designated Office is hereby notified of its election made:

☒

in the demand filed with the International preliminary Examining Authority on:

16 June 2000 (16.06.00)

☐

in a notice effecting later election filed with the International Bureau on:

2. The election ☒ was

☐

was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

Authorized officer:

J. Zahra

Telephone No.: (41-22) 338.83.38

## PATENT COOPERATION TREATY

PCT

NOTIFICATION OF THE RECORDING  
OF A CHANGE(PCT Rule 92bis.1 and  
Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU

To:

PELLMANN, Hans-Bernd  
Tiedtke-Bühling-Kinne et al.  
Bavariaring 4  
D-80336 München  
ALLEMAGNE

RECEIVED

MAY 31 2002

Technology Center 2600

Date of mailing (day/month/year) 14 January 2002 (14.01.02)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference WO 24246	
International application No. PCT/EP99/04495	International filing date (day/month/year) 29 June 1999 (29.06.99)

## 1. The following indications appeared on record concerning:

☒ the applicant    ☐ the inventor    ☐ the agent    ☐ the common representative

## Name and Address

NOKIA NETWORKS OY  
Keilalahdentie 4  
FIN-02150 Espoo  
Finland

## State of Nationality

FI

## State of Residence

FI

## Telephone No.

+358 9 1807 0

## Facsimile No.

+358 9 1807 496

## Teleprinter No.

## 2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☐ the person    ☒ the name    ☐ the address    ☐ the nationality    ☐ the residence

## Name and Address

NOKIA CORPORATION  
Keilalahdentie 4  
FIN-02150 Espoo  
Finland

## State of Nationality

FI

## State of Residence

FI

## Telephone No.

+358 9 1807 0

## Facsimile No.

+358 9 1807 496

## Teleprinter No.

## 3. Further observations, if necessary:

## 4. A copy of this notification has been sent to:

<input checked="" type="checkbox"/> the receiving Office	<input type="checkbox"/> the designated Offices concerned
<input type="checkbox"/> the International Searching Authority	<input checked="" type="checkbox"/> the elected Offices concerned
<input type="checkbox"/> the International Preliminary Examining Authority	<input type="checkbox"/> other:

The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

Authorized officer

Ingrid AULICH

Telephone No.: (41-22) 338.83.38

gta

## PCT COOPERATION TREATY

PCT

INFORMATION CONCERNING ELECTED  
OFFICES NOTIFIED OF THEIR ELECTION

(PCT Rule 61.3)

From the INTERNATIONAL BUREAU

To:

PELLMANN, Hans-Bernd  
Tiedtke-Bühling-Kinne et al.  
Bavariaring 4  
D-80336 München  
ALLEMAGNE

Date of mailing (day/month/year) 11 January 2001 (11.01.01)		
Applicant's or agent's file reference WO 24246		IMPORTANT INFORMATION
International application No. PCT/EP99/04495	International filing date (day/month/year) 29 June 1999 (29.06.99)	
Priority date (day/month/year)		
Applicant NOKIA NETWORKS OY et al		

1. The applicant is hereby informed that the International Bureau has, according to Article 31(7), notified each of the following Offices of its election:

AP : GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW

EP : AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

National : AU, BG, CA, CN, CZ, DE, IL, JP, KP, KR, MN, NO, NZ, PL, RO, RU, SE, SK, US

2. The following Offices have waived the requirement for the notification of their election; the notification will be sent to them by the International Bureau only upon their request:

EA : AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

OA : BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

National : AE, AL, AM, AT, AZ, BA, BB, BR, BY, CH, CU, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR,  
HU, ID, IN, IS, KE, KG, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MW, MX, PT, SD, SG, SI, SL,  
TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW

3. The applicant is reminded that he must enter the "national phase" before the expiration of 30 months from the priority date before each of the Offices listed above. This must be done by paying the national fee(s) and furnishing, if prescribed, a translation of the international application (Article 39(1)(a)), as well as, where applicable, by furnishing a translation of any annexes of the international preliminary examination report (Article 36(3)(b) and Rule 74.1).

Some offices have fixed time limits expiring later than the above-mentioned time limit. For detailed information about the applicable time limits and the acts to be performed upon entry into the national phase before a particular Office, see Volume II of the PCT Applicant's Guide.

The entry into the European regional phase is postponed until 31 months from the priority date for all States designated for the purposes of obtaining a European patent.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland  Facsimile No. (41-22) 740.14.35	Authorized officer:  J. Zahra  Telephone No. (41-22) 338.83.38
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PCT

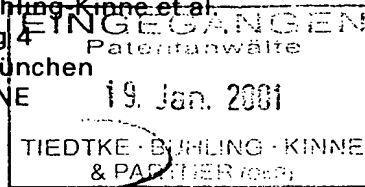
From the INTERNATIONAL BUREAU

**NOTICE INFORMING THE APPLICANT OF THE  
COMMUNICATION OF THE INTERNATIONAL  
APPLICATION TO THE DESIGNATED OFFICES**

(PCT Rule 47.1(c), first sentence)

To:

PELLMANN, Hans-Bernd  
Tiedtke-Bühling-Kinne et al.  
Bavariaring 4  
D-80336 München  
ALLEMAGNE



Date of mailing (day/month/year) 11 January 2001 (11.01.01)		
Applicant's or agent's file reference WO 24246		IMPORTANT NOTICE
International application No. PCT/EP99/04495	International filing date (day/month/year) 29 June 1999 (29.06.99)	Priority date (day/month/year)
Applicant NOKIA NETWORKS OY et al		

1. Notice is hereby given that the International Bureau has communicated, as provided in Article 20, the international application to the following designated Offices on the date indicated above as the date of mailing of this Notice:  
AU,KP,KR,US

In accordance with Rule 47.1(c), third sentence, those Offices will accept the present Notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

2. The following designated Offices have waived the requirement for such a communication at this time:

AE,AL,AM,AP,AT,AZ,BA,BB,BG,BR,BY,CA,CH,CN,CU,CZ,DE,DK,EA,EE,EP,ES,FI,GB,GD,GE,GH,  
GM,HR,HU,ID,IL,IN,IS,JP,KE,KG,KZ,LC,LK,LR,LS,LT,LU,LV,MD,MG,MK,MN,MW,MX,NO,NZ,OA,  
PL,PT,RO,RU,SD,SE,SG,SI,SK,SL,TJ,TM,TR,TT,UA,UG,UZ,VN,YU,ZA,ZW

The communication will be made to those Offices only upon their request. Furthermore, those Offices do not require the applicant to furnish a copy of the international application (Rule 49.1(a-bis)).

3. Enclosed with this Notice is a copy of the international application as published by the International Bureau on  
11 January 2001 (11.01.01) under No. WO 01/03328

**REMINDER REGARDING CHAPTER II (Article 31(2)(a) and Rule 54.2)**

If the applicant wishes to postpone entry into the national phase until 30 months (or later in some Offices) from the priority date, a demand for international preliminary examination must be filed with the competent International Preliminary Examining Authority before the expiration of 19 months from the priority date.

It is the applicant's sole responsibility to monitor the 19-month time limit.

Note that only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file a demand for international preliminary examination.

**REMINDER REGARDING ENTRY INTO THE NATIONAL PHASE (Article 22 or 39(1))**

If the applicant wishes to proceed with the international application in the national phase, he must, within 20 months or 30 months, or later in some Offices, perform the acts referred to therein before each designated or elected Office.

For further important information on the time limits and acts to be performed for entering the national phase, see the Annex to Form PCT/IB/301 (Notification of Receipt of Record Copy) and Volume II of the PCT Applicant's Guide.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No. (41-22) 740.14.35	Authorized officer J. Zahra Telephone No. (41-22) 338.83.38
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## PATENT COOPERATION TREATY

PCT

NOTIFICATION OF THE RECORDING  
OF A CHANGE(PCT Rule 92bis.1 and  
Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU

To:

PELLMANN, Hans-Bernd  
Tiedtke-Bühling-Kinne et al.  
Bavariaring 4  
D-80336 München  
ALLEMAGNE

10.06.99

Date of mailing (day/month/year) 06 December 1999 (06.12.99)	<b>IMPORTANT NOTIFICATION</b>
Applicant's or agent's file reference WO 24246	
International application No. PCT/EP99/04495	International filing date (day/month/year) 29 June 1999 (29.06.99)

## 1. The following indications appeared on record concerning:

☒ the applicant
 ☐ the inventor
 ☐ the agent
 ☐ the common representative

## Name and Address

NOKIA TELECOMMUNICATIONS OY  
Keilalahdentie 4  
FIN-02150 Espoo  
Finland

## State of Nationality

FI

## State of Residence

FI

## Telephone No.

+358 9 1807 0

## Facsimile No.

+358 9 1807 496

## Teleprinter No.

## 2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☐ the person
 ☒ the name
 ☐ the address
 ☐ the nationality
 ☐ the residence

## Name and Address

NOKIA NETWORKS OY  
Keilalahdentie 4  
FIN-02150 Espoo  
Finland

## State of Nationality

FI

## State of Residence

FI

## Telephone No.

+358 9 1807 0

## Facsimile No.

+358 9 1807 496

## Teleprinter No.

## 3. Further observations, if necessary:

## 4. A copy of this notification has been sent to:

<input checked="" type="checkbox"/> the receiving Office	<input type="checkbox"/> the designated Offices concerned
<input checked="" type="checkbox"/> the International Searching Authority	<input type="checkbox"/> the elected Offices concerned
<input type="checkbox"/> the International Preliminary Examining Authority	<input type="checkbox"/> other:

The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

Authorized officer

N. Lindner

Telephone No.: (41-22) 338.83.38

## PCT COOPERATION TREATY

PCT

NOTIFICATION OF RECEIPT OF  
RECORD COPY

(PCT Rule 24.2(a))

From the INTERNATIONAL BUREAU

To:

PELLMANN, Hans-Bernd  
Tiedtke-Bühling-Kinne et al.  
Bavariaring 4  
D-80336 München  
ALLEMAGNE

Date of mailing (day/month/year) 24 August 1999 (24.08.99)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference WO 24246	International application No. PCT/EP99/04495

The applicant is hereby notified that the International Bureau has received the record copy of the international application as detailed below.

Name(s) of the applicant(s) and State(s) for which they are applicants:

NOKIA TELECOMMUNICATIONS OY (for all designated States except US)  
RAITOLA, Mika (for US)

International filing date : 29 June 1999 (29.06.99)  
Priority date(s) claimed :  
Date of receipt of the record copy  
by the International Bureau : 04 August 1999 (04.08.99)  
List of designated Offices :

AP : GH,GM,KE,LS,MW,SD,SL,SZ,UG,ZW  
EA : AM,AZ,BY,KG,KZ,MD,RU,TJ,TM  
EP : AT,BE,CH,CY,DE,DK,ES,FI,FR,GB,GR,IE,IT,LU,MC,NL,PT,SE  
OA : BF,BJ,CF,CG,CI,CM,GA,GN,GW,ML,MR,NE,SN,TD,TG  
National : AE,AL,AM,AT,AU,AZ,BA,BB,BG,BR,BY,CA,CH,CN,CU,CZ,DE,DK,EE,ES,FI,GB,GD,GE,  
GH,GM,HR,HU,ID,IL,IN,IS,JP,KE,KG,KP,KR,KZ,LC,LK,LR,LS,LT,LU,LV,MD,MG,MK,MN,MW,MX,  
NO,NZ,PL,PT,RO,RU,SD,SE,SG,SI,SK,SL,TJ,TM,TR,TT,UA,UG,US,UZ,VN,YU,ZA,ZW

## ATTENTION

The applicant should carefully check the data appearing in this Notification. In case of any discrepancy between these data and the indications in the international application, the applicant should immediately inform the International Bureau.

In addition, the applicant's attention is drawn to the information contained in the Annex, relating to:

- ☒ time limits for entry into the national phase  
☐ confirmation of precautionary designations  
☐ requirements regarding priority documents

A copy of this Notification is being sent to the receiving Office and to the International Searching Authority.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No. (41-22) 740.14.35	Authorized officer: N. Lindner Telephone No. (41-22) 338.83.38
--	--

## INFORMATION ON TIME LIMITS FOR ENTERING THE NATIONAL PHASE

The applicant is reminded that the "national phase" must be entered before each of the designated Offices indicated in the Notification of Receipt of Record Copy (Form PCT/IB/301) by paying national fees and furnishing translations, as prescribed by the applicable national laws.

The time limit for performing these procedural acts is **20 MONTHS** from the priority date or, for those designated States which the applicant elects in a demand for international preliminary examination or in a later election, **30 MONTHS** from the priority date, provided that the election is made before the expiration of 19 months from the priority date. Some designated (or elected) Offices have fixed time limits which expire even later than 20 or 30 months from the priority date. In other Offices an extension of time or grace period, in some cases upon payment of an additional fee, is available.

In addition to these procedural acts, the applicant may also have to comply with other special requirements applicable in certain Offices. **It is the applicant's responsibility** to ensure that the necessary steps to enter the national phase are taken in a timely fashion. Most designated Offices do not issue reminders to applicants in connection with the entry into the national phase.

**For detailed information about the procedural acts to be performed to enter the national phase before each designated Office, the applicable time limits and possible extensions of time or grace periods, and any other requirements, see the relevant Chapters of Volume II of the PCT Applicant's Guide. Information about the requirements for filing a demand for international preliminary examination is set out in Chapter IX of Volume I of the PCT Applicant's Guide.**

GR and ES became bound by PCT Chapter II on 7 September 1996 and 6 September 1997, respectively, and may, therefore, be elected in a demand or a later election filed on or after 7 September 1996 and 6 September 1997, respectively, regardless of the filing date of the international application. (See second paragraph above.)

Note that only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file a demand for international preliminary examination.

## CONFIRMATION OF PRECAUTIONARY DESIGNATIONS

This notification lists only specific designations made under Rule 4.9(a) in the request. It is important to check that these designations are correct. Errors in designations can be corrected where precautionary designations have been made under Rule 4.9(b). The applicant is hereby reminded that any precautionary designations may be confirmed according to Rule 4.9(c) before the expiration of 15 months from the priority date. If it is not confirmed, it will automatically be regarded as withdrawn by the applicant. There will be no reminder and no invitation. Confirmation of a designation consists of the filing of a notice specifying the designated State concerned (with an indication of the kind of protection or treatment desired) and the payment of the designation and confirmation fees. Confirmation must reach the receiving Office within the 15-month time limit.

## REQUIREMENTS REGARDING PRIORITY DOCUMENTS

For applicants who have not yet complied with the requirements regarding priority documents, the following is recalled.

Where the priority of an earlier national, regional or international application is claimed, the applicant must submit a copy of the said earlier application, certified by the authority with which it was filed ("the priority document") to the receiving Office (which will transmit it to the International Bureau) or directly to the International Bureau, before the expiration of 16 months from the priority date, provided that any such priority document may still be submitted to the International Bureau before that date of international publication of the international application, in which case that document will be considered to have been received by the International Bureau on the last day of the 16-month time limit (Rule 17.1(a)).

Where the priority document is issued by the receiving Office, the applicant may, instead of submitting the priority document, request the receiving Office to prepare and transmit the priority document to the International Bureau. Such request must be made before the expiration of the 16-month time limit and may be subjected by the receiving Office to the payment of a fee (Rule 17.1(b)).

If the priority document concerned is not submitted to the International Bureau or if the request to the receiving Office to prepare and transmit the priority document has not been made (and the corresponding fee, if any, paid) within the applicable time limit indicated under the preceding paragraphs, any designated State may disregard the priority claim, provided that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity to furnish the priority document within a time limit which is reasonable under the circumstances.

Where several priorities are claimed, the priority date to be considered for the purposes of computing the 16-month time limit is the filing date of the earliest application whose priority is claimed.

TBK

TIEDTKE - BÜHLING - KINNE & PARTNER (GbR)



TBK-Patent POB 20 19 18 80019 München

An das  
Europäische Patentamt

80298 München

Patentanwälte

Dipl.-Ing. Harro Tiedtke  
Dipl.-Ing. Reinhard Kinne  
Dipl.-Ing. Hans-Bernd Pellmann  
Dipl.-Ing. Klaus Grams  
Dipl.-Ing. Aurel Vollnhals  
Dipl.-Ing. Thomas J.A. Leson  
Dipl.-Ing. Dr. Georgi Chivarov  
Dipl.-Ing. Matthias Grill  
Dipl.-Ing. Hans-Ludwig Trösch  
Dipl.-Ing. Alexander Kühn  
Dipl.-Chem. Dr. Andreas Oser  
Dipl.-Ing. Rainer Böckelen  
Dipl.-Ing. Jürgen Feldmeier  
Dipl.-Ing. Stefan Klingele  
Dipl.-Chem. Stefan Bühling  
Dipl.-Ing. Ronald Roth

March 14, 2001

PCT Patent Application No.: PCT/EP99/04495

NOKIA NETWORKS OY

Our ref.: WO 24246

(F14.3. Eing.)

Reference is made to the Written Opinion dated December 14, 2000.

Enclosed, new description pages 3 and 3A replacing original description page 3 are filed upon which the further prosecution of the application is to be based.

In the new description pages, the relevant background art according to documents EP-A-0 682 417 and EP-A-0 682 419 is mentioned, as requested. Additionally, the passage with the "*object of the present invention*" is changed editorially.

Thus, in the light of the above indicated amendments, the Examiner is respectfully requested to issue the international preliminary examination report on the basis of the following documents:

- original claims 1 to 18;
- original description pages 1, 2, 4 to 10;
- new description pages 3 and 3A; and
- original drawing sheets 1 and 2 (Figs. 1 and 2).

Thomas J.A. Leson  
Patentanwalt  
**TBK-Patent**

✓ Encl.:

- New description pages 3 and 3A

Deutsche Bank München Kto. 286 1060 BLZ 700 700 10  
Dresdner Bank München Kto. 3939 844 BLZ 700 800 00  
Postbank München Kto. 67043 804 BLZ 700 100 80  
Dai-ichi-Kangyo Bank München Kto. 8104233007 BLZ 300 207 00  
Sanwa Bank Düsseldorf Kto. 500 047 BLZ 301 307 00

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Telefax (G3): +49 89 532611  
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Bavariaring 4-6, 80336 München



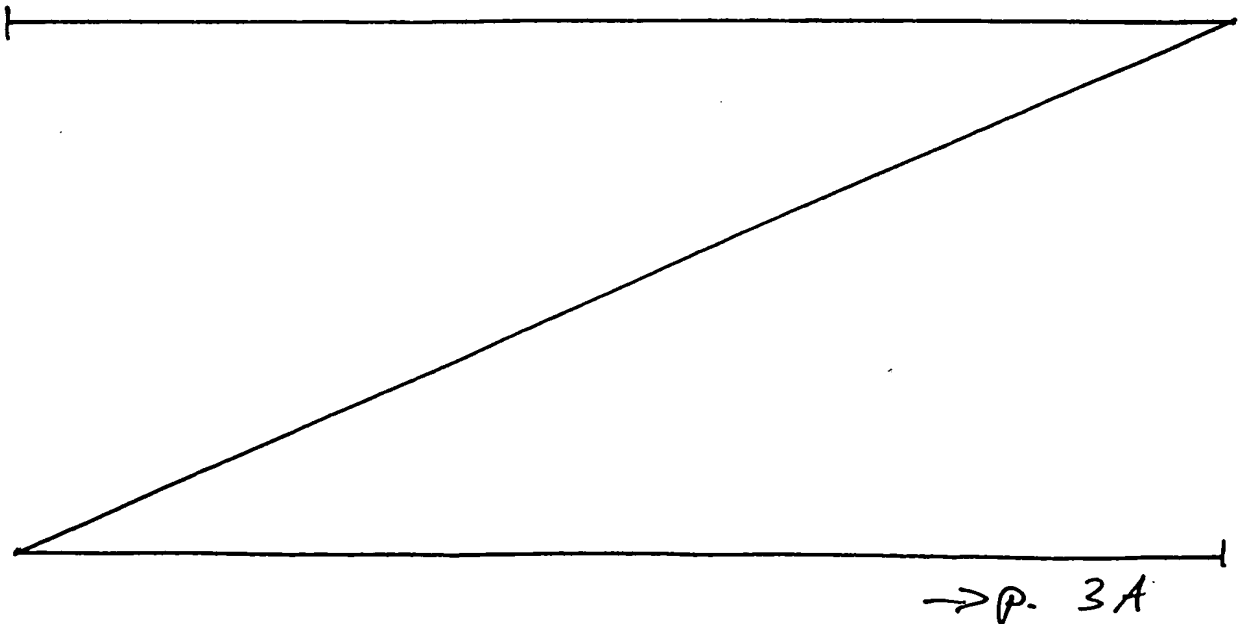
- 3 -

However, in case of e.g. a packet data service, a retransmission protocol is included. This means that a loss of data, for example due to decoding problems, would not  
5 cause absolute errors but only lead to a retransmission. This allows a packet data power control not to follow every fade, but to compensate fades by retransmissions.

When using a slower power control occurrence of high  
10 interference spikes as in the fast power control can be prevented. However, slower power control works poorly for delay limited services as it can not follow fast fading of the signal.

15 In document EP-A-0 682 417, a transmission power control method of a spread spectrum communication system is disclosed which determines transmission power in accordance with a transmission power control (TPC) bit.

20 In document EP-A-0 682 419, a transmission power control method is disclosed which uses an open or a closed loop control in dependence on changes in the desired received signal level at the mobile station.



~~However, in case of e.g. a packet data service, a~~  
retransmission protocol is included. This means that a loss  
of data, for example due to decoding problems, would not  
5 cause absolute errors but only lead to a retransmission.  
This allows a packet data power control not to follow every  
fade, but to compensate fades by retransmissions.

When using a slower power control occurrence of high  
10 interference spikes as in the fast power control can be  
prevented. However, slower power control works poorly for  
delay limited services as it can not follow fast fading of  
~~the signal.~~

15 SUMMARY OF THE INVENTION

Consequently, it is an object of the present invention to  
provide <sup>an improved</sup> ~~a~~ method and a corresponding device for controlling  
a power used for transmitting data between a terminal  
20 device and a transceiver device of a communication system.

According to the present invention, this object is achieved  
by a method for controlling a power used for transmitting  
data between a terminal device and a transceiver device of  
25 a communication system, said method comprising the steps of  
monitoring during a predetermined time unit the power used  
in a transmission between said terminal device and said  
transceiver device, requesting an increase or a decrease of  
the power used in the transmission by using a specific  
30 information element for each predetermined time unit,  
storing a predetermined number of said specific information  
elements, calculating a first value and a second value  
concerning the power of transmission during said  
predetermined number of said specific information elements,  
35 and deciding by using the first value and the second value  
concerning the power calculated in said calculating step,

# PATENT COOPERATION TREATY

From the:  
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To:  
PELLMANN, Hans-Bernd  
Tiedtke-Bühling-Kinne & Partner  
Bavariaring 4  
D-80336 München  
ALLEMAGNE

**EINGEGANGEN**  
Patentanwälte  
**15. Dez. 2000**  
TIEDTKE · BÜHLING · KINNE  
& PARTNER (GbR)

## PCT

### WRITTEN OPINION

(PCT Rule 66)

Date of mailing (day/month/year) <b>14.12.2000</b>	
Applicant's or agent's file reference <b>WO 24246</b>	<b>REPLY DUE</b> <b>within 3 month(s)</b> from the above date of mailing
International application No. <b>PCT/EP99/04495</b>	International filing date (day/month/year) <b>29/06/1999</b>
Priority date (day/month/year) <b>29/06/1999</b>	
International Patent Classification (IPC) or both national classification and IPC <b>H04B7/005</b>	
Applicant <b>NOKIA NETWORKS OY et al.</b>	

1. This written opinion is the **first** drawn up by this International Preliminary Examining Authority.
2. This opinion contains indications relating to the following items:
  - I ☒ Basis of the opinion
  - II ☐ Priority
  - III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
  - IV ☐ Lack of unity of invention
  - V ☐ Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
  - VI ☐ Certain document cited
  - VII ☒ Certain defects in the international application
  - VIII ☐ Certain observations on the international application

3. The applicant is hereby **invited to reply** to this opinion.

**When?** See the time limit indicated above. The applicant may, before the expiration of that time limit, request this Authority to grant an extension, see Rule 66.2(d).

**How?** By submitting a written reply, accompanied, where appropriate, by amendments, according to Rule 66.3. For the form and the language of the amendments, see Rules 66.8 and 66.9.

**Also:** For an additional opportunity to submit amendments, see Rule 66.4.  
For the examiner's obligation to consider amendments and/or arguments, see Rule 66.4 bis.  
For an informal communication with the examiner, see Rule 66.6.

**If no reply is filed**, the international preliminary examination report will be established on the basis of this opinion.

4. The final date by which the international preliminary examination report must be established according to Rule 69.2 is: **29/10/2001**.

14.3.01

WV 14.1. ✓

Name and mailing address of the international preliminary examining authority:  European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized officer / Examiner  Lauri, L  Formalities officer (incl. extension of time limits) Poquet Oliver, R Telephone No. +49 89 2399 2911
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**I. Basis of the opinion**

1. This opinion has been drawn on the basis of (*substitute sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this opinion as "originally filed".*):

**Description, pages:**

1-10 as originally filed

**Claims, No.:**

1-18 as originally filed

**Drawings, sheets:**

1/2-2/2 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- ☐ the description, pages:
- ☐ the claims, Nos.:

## WRITTEN OPINION

International application No. PCT/EP99/04495

---

☐ the drawings, sheets:

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

*(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)*

6. Additional observations, if necessary:

### VII. Certain defects in the international application

The following defects in the form or contents of the international application have been noted:  
**see separate sheet**

**CITED DOCUMENTS**

Reference is made to the following documents:

- D1: EP-A-0 682 417 (NIPPON TELEGRAPH & TELEPHONE) 15 November 1995 (1995-11-15)
- D2: EP-A-0 682 419 (NIPPON TELEGRAPH & TELEPHONE) 15 November 1995 (1995-11-15)

**Re Item VII**

**Certain defects in the international application**

Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in the documents D1 and D2 is not mentioned in the description, nor are these documents identified therein.

# PATENT COOPERATION TREATY

From the  
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

## PCT

To:

PELLMANN, Hans-Bernd  
Tiedtke-Bühling-Kinne & Partner  
Bavariaring 4  
D-80336 München  
ALLEMAGNE

RECEIVED  
EINGEGANGEN  
18. Okt. 2001  
TBK - PATENT

NOTIFICATION OF TRANSMITTAL OF  
THE INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT  
(PCT Rule 71.1)

Date of mailing (day/month/year)	17.10.2001
-------------------------------------	------------

Applicant's or agent's file reference WO 24246	<b>IMPORTANT NOTIFICATION</b>
---	-------------------------------

International application No. PCT/EP99/04495	International filing date (day/month/year) 29/06/1999	Priority date (day/month/year) 29/06/1999
---	--	--

Applicant  
NOKIA NETWORKS OY et al.

1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.
4. **REMINDER**

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

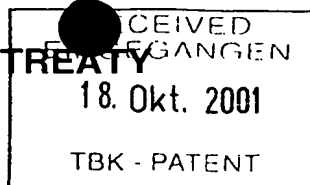
For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/  European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized officer  Teschauer, B  Tel. +49 89 2399-8231
--	---



# PATENT COOPERATION TREATY

# PCT



## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference <b>WO 24246</b>		<b>FOR FURTHER ACTION</b>	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)
International application No. <b>PCT/EP99/04495</b>	International filing date (day/month/year) <b>29/06/1999</b>	Priority date (day/month/year) <b>29/06/1999</b>	
International Patent Classification (IPC) or national classification and IPC <b>H04B7/005</b>			
Applicant <b>NOKIA NETWORKS OY et al.</b>			

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.



2. This REPORT consists of a total of 5 sheets, including this cover sheet.

☒ This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 2 sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand <b>16/06/2000</b>	Date of completion of this report <b>17.10.2001</b>
Name and mailing address of the international preliminary examining authority:  <b>European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465</b>	Authorized officer <b>Lauri, L</b>  Telephone No. <b>+49 89 2399 7304</b> 



# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/EP99/04495

## I. Basis of the report

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)*):

### Description, pages:

1,2,4-10	as originally filed		
3,3a	as received on	14/03/2001	with letter of 14/03/2001

### Claims, No.:

1-18 as originally filed

### Drawings, sheets:

1/2,2/2 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT**

International application No. PCT/EP99/04495

- ☐ the description,      pages:  
☐ the claims,      Nos.:  
☐ the drawings,      sheets:

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

*(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)*

6. Additional observations, if necessary:

**V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

**1. Statement**

Novelty (N)	Yes:	Claims	1-18
	No:	Claims	
Inventive step (IS)	Yes:	Claims	1-18
	No:	Claims	
Industrial applicability (IA)	Yes:	Claims	1-18
	No:	Claims	

- 2. Citations and explanations  
see separate sheet**

**DOCUMENTS CITED**

D1: EP-A-0 682 417 (NIPPON TELEGRAPH & TELEPHONE) 15 November 1995 (1995-11-15)

**Re Item V**

**Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

The document D1 is regarded as the closest prior art to the subject-matter of claim 1, and describes a method for controlling a power used for transmitting data between a terminal device and a transceiver device of a communication system (page 2 lines 5-10), said method comprising the steps of:

- monitoring during a predetermined time unit the power used in a transmission between said terminal device and said transceiver device (page 2 lines 43-47);
- requesting an increase or a decrease of the power used in the transmission by using a specific information element for each predetermined time unit (page 2 lines 47-48);
- storing a predetermined number of said specific information elements (page 3 lines 33-35).

However, the document D1 does not disclose the following steps:

- calculating a first value and a second value concerning the power of transmission during said predetermined number of said specific information elements;
- deciding by using the first value and the second value concerning the power calculated in said calculating step, whether the first value concerning the power is greater than a sum of the second value concerning the power and a predetermined level.

This feature is neither described nor is it suggested by the available prior art. Therefore the present application satisfies the criterion set forth in Article 33(2) and 33(3) PCT, because the subject-matter of claim 1 is novel and inventive over the prior art (Rule 64 PCT).

**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT - SEPARATE SHEET**

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International application No. PCT/EP99/04495

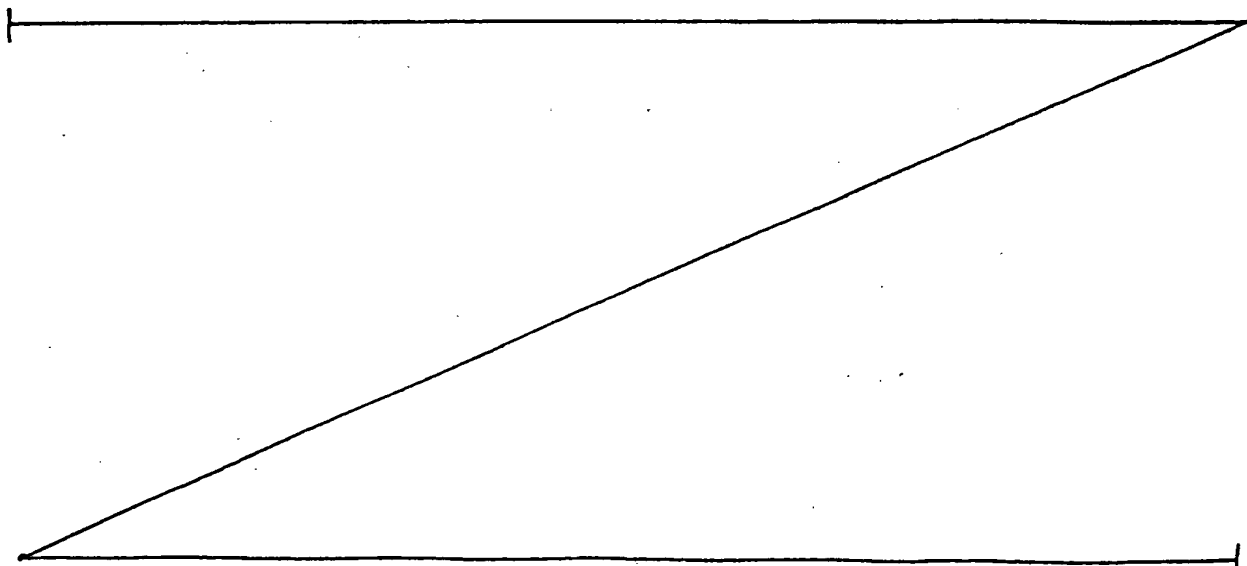
The same conclusion applies to claim 10, which concerns the apparatus corresponding to claim 1.

However, in case of e.g. a packet data service, a retransmission protocol is included. This means that a loss of data, for example due to decoding problems, would not  
5 cause absolute errors but only lead to a retransmission. This allows a packet data power control not to follow every fade, but to compensate fades by retransmissions.

When using a slower power control occurrence of high  
10 interference spikes as in the fast power control can be prevented. However, slower power control works poorly for delay limited services as it can not follow fast fading of the signal.

15 In document EP-A-0 682 417, a transmission power control method of a spread spectrum communication system is disclosed which determines transmission power in accordance with a transmission power control (TPC) bit.

20 In document EP-A-0 682 419, a transmission power control method is disclosed which uses an open or a closed loop control in dependence on changes in the desired received signal level at the mobile station.



- 3 A -

~~However, in case of e.g. a packet data service, a~~  
retransmission protocol is included. This means that a loss  
of data, for example due to decoding problems, would not  
5 cause absolute errors but only lead to a retransmission.  
This allows a packet data power control not to follow every  
fade, but to compensate fades by retransmissions.

When using a slower power control occurrence of high  
10 interference spikes as in the fast power control can be  
prevented. However, slower power control works poorly for  
delay limited services as it can not follow fast fading of  
~~the signal.~~

#### 15 SUMMARY OF THE INVENTION

Consequently, it is an object of the present invention to  
provide <sup>an improved</sup> ~~a~~ method and a corresponding device for controlling  
a power used for transmitting data between a terminal  
20 device and a transceiver device of a communication system.

According to the present invention, this object is achieved  
by a method for controlling a power used for transmitting  
data between a terminal device and a transceiver device of  
25 a communication system, said method comprising the steps of  
monitoring during a predetermined time unit the power used  
in a transmission between said terminal device and said  
transceiver device, requesting an increase or a decrease of  
the power used in the transmission by using a specific  
30 information element for each predetermined time unit,  
storing a predetermined number of said specific information  
elements, calculating a first value and a second value  
concerning the power of transmission during said  
predetermined number of said specific information elements,  
35 and deciding by using the first value and the second value  
concerning the power calculated in said calculating step,

# INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 99/04495

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H04B7/005

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 10 066139 A (SAMSUNG ELECTRON CO LTD) 6 March 1998 (1998-03-06)  & US 6 002 942 A (PARK HYUN-CHUL) 14 December 1999 (1999-12-14) column 1, line 31-48 column 2, line 4 -column 4, line 18 figures 1-3	1,4, 7-10,13, 16-18
Y	EP 0 682 417 A (NIPPON TELEGRAPH & TELEPHONE) 15 November 1995 (1995-11-15)  page 3, line 21 -page 4, line 31 page 5; tables 1,2 figures 2A,2B,3,4A,4B	1,4, 7-10,13, 16-18
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "Z" document member of the same patent family

Date of the actual completion of the international search

31 March 2000

Date of mailing of the international search report

06/04/2000

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

Yang, Y

# INTERNATIONAL SEARCH REPORT

In. :tional Application No

PCT/EP 99/04495

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>EP 0 682 419 A (NIPPON TELEGRAPH &amp; TELEPHONE) 15 November 1995 (1995-11-15)</p> <p>column 4, line 37 -column 6, line 23 figures 4-6,7A,7B</p>	<p>1,3,7,9, 10,12, 16,18</p>



# INTERNATIONAL SEARCH REPORT

Information on patent family members

Int'l Application No

PCT/EP 99/04495

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 10066139 A	06-03-1998	CN 1172383 A US 6002942 A	04-02-1998 14-12-1999
EP 0682417 A	15-11-1995	JP 2980156 B JP 8032513 A CA 2149094 A,C CN 1117225 A,B KR 143836 B US 5604766 A	22-11-1999 02-02-1996 13-11-1995 21-02-1996 01-08-1998 18-02-1997
EP 0682419 A	15-11-1995	JP 2974274 B JP 8032514 A CA 2149096 A,C CN 1126929 A US 5590409 A	10-11-1999 02-02-1996 13-11-1995 17-07-1996 31-12-1996

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>WO 24246</b>	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. <b>PCT/EP 99/ 04495</b>	International filing date (day/month/year) <b>29/06/1999</b>	(Earliest) Priority Date (day/month/year)
Applicant <b>NOKIA NETWORKS OY</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

### 1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ Certain claims were found unsearchable (See Box I).

3. ☐ Unity of invention is lacking (see Box II).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

1  
☐ None of the figures.

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP 99/04495

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H04B7/005

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 10 066139 A (SAMSUNG ELECTRON CO LTD) 6 March 1998 (1998-03-06)  & US 6 002 942 A (PARK HYUN-CHUL) 14 December 1999 (1999-12-14) column 1, line 31-48 column 2, line 4 -column 4, line 18 figures 1-3	1,4, 7-10,13, 16-18
Y	EP 0 682 417 A (NIPPON TELEGRAPH & TELEPHONE) 15 November 1995 (1995-11-15)  page 3, line 21 -page 4, line 31 page 5; tables 1,2 figures 2A,2B,3,4A,4B  -/-	1,4, 7-10,13, 16-18

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

31 March 2000

Date of mailing of the international search report

06/04/2000

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Yang, Y

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP 99/04495

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>EP 0 682 419 A (NIPPON TELEGRAPH &amp; TELEPHONE) 15 November 1995 (1995-11-15)</p> <p>column 4, line 37 -column 6, line 23 figures 4-6,7A,7B</p>	<p>1,3,7,9, 10,12, 16,18</p>

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/EP 99/04495

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 10066139 A	06-03-1998	CN 1172383 A US 6002942 A	04-02-1998 14-12-1999
EP 0682417 A	15-11-1995	JP 2980156 B JP 8032513 A CA 2149094 A,C CN 1117225 A,B KR 143836 B US 5604766 A	22-11-1999 02-02-1996 13-11-1995 21-02-1996 01-08-1998 18-02-1997
EP 0682419 A	15-11-1995	JP 2974274 B JP 8032514 A CA 2149096 A,C CN 1126929 A US 5590409 A	10-11-1999 02-02-1996 13-11-1995 17-07-1996 31-12-1996

# PATENT COOPERATION TREATY

## PCT

REC'D 19 OCT 2001

WIPO PCT

### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference <b>WO 24246</b>	<b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. <b>PCT/EP99/04495</b>	International filing date (day/month/year) <b>29/06/1999</b>	Priority date (day/month/year) <b>29/06/1999</b>
International Patent Classification (IPC) or national classification and IPC <b>H04B7/005</b>		
Applicant <b>NOKIA NETWORKS OY et al.</b>		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.



2. This REPORT consists of a total of 5 sheets, including this cover sheet.

☒ This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 2 sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand <b>16/06/2000</b>	Date of completion of this report <b>17.10.2001</b>
Name and mailing address of the international preliminary examining authority:  <b>European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465</b>	Authorized officer <b>Lauri, L</b> Telephone No. <b>+49 89 2399 7304</b> 

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/EP99/04495

## I. Basis of the report

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)*):

### Description, pages:

1,2,4-10 as originally filed

3,3a as received on 14/03/2001 with letter of 14/03/2001

### Claims, No.:

1-18 as originally filed

### Drawings, sheets:

1/2,2/2 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT**

International application No. PCT/EP99/04495

- ☐ the description, pages:  
☐ the claims, Nos.:  
☐ the drawings, sheets:

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

*(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)*

6. Additional observations, if necessary:

**V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

**1. Statement**

Novelty (N)	Yes:	Claims	1-18
	No:	Claims	
Inventive step (IS)	Yes:	Claims	1-18
	No:	Claims	
Industrial applicability (IA)	Yes:	Claims	1-18
	No:	Claims	

- 2. Citations and explanations  
see separate sheet**



**DOCUMENTS CITED**

D1: EP-A-0 682 417 (NIPPON TELEGRAPH & TELEPHONE) 15 November 1995 (1995-11-15)

**Re Item V**

**Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

The document D1 is regarded as the closest prior art to the subject-matter of claim 1, and describes a method for controlling a power used for transmitting data between a terminal device and a transceiver device of a communication system (page 2 lines 5-10), said method comprising the steps of:

- monitoring during a predetermined time unit the power used in a transmission between said terminal device and said transceiver device (page 2 lines 43-47);
- requesting an increase or a decrease of the power used in the transmission by using a specific information element for each predetermined time unit (page 2 lines 47-48);
- storing a predetermined number of said specific information elements (page 3 lines 33-35).

However, the document D1 does not disclose the following steps:

- calculating a first value and a second value concerning the power of transmission during said predetermined number of said specific information elements;
- deciding by using the first value and the second value concerning the power calculated in said calculating step, whether the first value concerning the power is greater than a sum of the second value concerning the power and a predetermined level.

This feature is neither described nor is it suggested by the available prior art. Therefore the present application satisfies the criterion set forth in Article 33(2) and 33(3) PCT, because the subject-matter of claim 1 is novel and inventive over the prior art (Rule 64 PCT).

**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT - SEPARATE SHEET**

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International application No. PCT/EP99/04495

The same conclusion applies to claim 10, which concerns the apparatus corresponding to claim 1.